

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A cross-link free monolayer film comprising:

a ~~cross-link free~~ polymer blend of a first component selected from the group consisting of 1) ethylene and α -olefin interpolymers having a density of less than about 0.915 g/cc, (2) ethylene and lower alkyl acrylate interpolymers, (3) ethylene and lower alkyl substituted alkyl acrylate interpolymers and (4) ionomers, the first component present in an amount by weight of the film from about 10% to about 50% ~~60% to about 1%~~, the first component having a first melting point temperature determined by DSC, a second component selected from the group consisting of propylene containing polymers and methyl pentene containing polymers, the second component being present in an amount by weight of the film from about 50% to about 90% ~~99% to about 40%~~, the second component having a second melting point temperature determined by DSC; and the film being capable of withstanding steam sterilization at a temperature from about 100°C to about 130°C.

Claim 2 (original): The film of claim 1, wherein the second melting point temperature is higher than the first melting point temperature.

Claim 3 (original): The film of claim 1 wherein the ethylene containing polymer is obtained using a catalyst selected from the group consisting of: Ziegler-Natta and single-site.

Claim 4 (original): The film of claim 1, wherein the ethylene containing polymer is selected from the group consisting of: ethylene homopolymers, and ethylene copolymers.

Claim 5 (original): The film of claim 1, wherein the propylene containing polymer is selected from the group of propylene homopolymers and propylene copolymers.

Claim 6 (original): The film of claim 5, wherein the propylene containing polymer is obtained using a catalyst selected from the group consisting of: Ziegler-Natta and single-site.

Claim 7 (original): The film of claim 1, wherein the propylene containing polymer is a high melt strength polymer.

Claim 8 (original): The film of claim 7, wherein the high melt strength propylene containing polymer is selected from the propylene containing propylene made from electron beam process and reactor made process.

Claim 9 (original): The film of claim 1 further comprising an oxygen scavenger.

Claim 10(original): The film of claim 9, wherein the oxygen scavenger is an oxidizable polydiene.

Claim 11 (original): The film of claim 9, wherein the oxygen scavenger is an oxidizable polyether.

Claim 12 (previously presented): The film of claim 1, wherein the film is prepared by a process selected from the group consisting of extrusion, calendering, blown film extrusion and blown molding.

Claim 13 (previously presented): The film of claim 1, wherein the film is capable of being fabricated into a liquid filled container wherein the container has sufficient impact strength to resist rupturing when dropped from 8 feet.

Claim 14 (previously presented): The film of claim 1, wherein the film is capable of being fabricated into a liquid filled container wherein the container is capable of being terminally sterilized by exposure to steam at 121° C. for one hour.

Claim 15 (previously presented): The film of claim 1, wherein the film is capable of being sterilized by steam sterilization exposure to radiation and exposure to ethylene oxide.

Claim 16 (previously presented): The film of claim 1, wherein the film is capable of forming a peel seal to form a multiple chambered container.

Claim 17 (previously presented): The film of claim 16, wherein the film is further capable of forming a permanent seal to form a multiple chambered container

Claim 18 (currently amended): A cross-link free multilayer film comprising:
a barrier layer;
a seal layer comprising a ~~cross-link free~~ blend of: (i) an ethylene and α -olefin copolymer having a density of less than about 0.915 g/cc, and in an amount of from about 10% to about 50%~~60% to about 1%~~ by weight of the blend, and (ii) a propylene containing polymer in an amount by weight of the blend from about 50% to about 90%~~99% to about 40%~~; and the film can be heat sealed into a container having seals wherein the seals remain intact when the container is retorted at 121°C. for sixty minutes, and wherein the container does not rupture when dropped from 8 feet.

Claim 19 (original): The film of claim 18, wherein the barrier layer contains a barrier material selected from the group consisting of polyamides and ethylene vinyl alcohol copolymers.

Claim 20 (original): The film of claim 18, wherein the propylene containing polymer is selected from the group of propylene homopolymers and propylene copolymers.

Claim 21 (original): The film of claim 20, wherein the propylene containing polymer is obtained using a catalyst selected from the group consisting of: Ziegler-Natta and single-site.

Claim 22 (original): The film of claim 20, wherein the propylene contain polymer is a high melt strength polymer.

Claim 23 (original): The film of claim 18, wherein the propylene containing polymer is a blend of a first propylene containing polymer and a second propylene containing polymer.

Claim 24 (original): The film of claim 18, wherein the first propylene containing polymer has a first melt flow rate and the second propylene containing polymer has a second melt flow rate wherein the first melt flow rate is higher than the first melt flow rate.

Claim 25 (original): The film of claim 24, wherein the first melt flow rate is about 3 times greater than the second melt flow rate.

Claim 26 (original): The film of claim 24, wherein the first melt flow rate is about 5 times greater than the second melt flow rate.

Claim 27 (original): The film of claim 23, wherein the first propylene containing polymer has a first melting point temperature and the second propylene containing polymer has a second melting point temperature wherein the first melting point temperature is higher than the second melting point temperature by at least about 5° C.

Claim 28 (original): The film of claim 23, wherein the first propylene containing polymer has a first melting point temperature and the second propylene containing polymer has a second melting point temperature wherein the first melting point temperature is higher than the second melting point temperature by at least about 10° C.

Claim 29 (original): The film of claim 1, wherein the seal layer blend further comprises an oxygen scavenger.

Claim 30 (original): The film of claim 19, wherein the barrier layer blend further comprises an oxygen scavenger.

Claim 31 (original): The film of claim 29, wherein the oxygen scavenger is an oxidizable polydiene.

Claim 32 (original): The film of claim 29, wherein the oxygen scavenger is an oxidizable polyether.

Claim 33 (original): The film of claim 18, wherein the barrier layer further comprises a metal fatty acid salt.

Claim 34 (original): The film of claim 18, wherein the α -olefin has from 3 to 17 carbons.

Claim 35 (original): The film of claim 18, wherein the α -olefin has from 4 to 8 carbons.

Claim 36 (original): The film of claim 18, wherein the ethylene and α -olefin copolymer is obtained using a single site catalyst.

Claim 37 (original): The film of claim 18, wherein the film further comprises a tie layer adhering the barrier layer to the inner layer.

Claim 38 (previously presented): The film of claim 18, wherein the film is capable of being terminally sterilized by other sterilization modes in radiation and ethylene oxide.

Claim 39 (previously presented): The film of claim 18, wherein the film is capable of forming a peel seal to form a multiple chambered container.

Claim 40 (previously presented): The film of claim 18, wherein the film is capable of forming a permanent seal to form a multiple chambered container

Claims 41-66 (canceled)